

phosphorylation, and S is the substrate concentration. The standard errors for all reported kinetic constants were within  $\pm 20\%$ , and the data is reported as mean values for 3 independent determinations. Fig 16 shows the results relative to those obtained for unstimulated PKB $\alpha$ .

Replace originally filed page 58 with new page 58 attached hereto.

Replace originally filed page 59 with new page 59 attached hereto.

Between pages 64 and 65 as originally filed, insert new SEQUENCE LISTING pages 64-1 to 64-24, attached hereto.

After page 69, add new page 70 with the following Abstract (a new page 70 is attached):

--Abstract of the Disclosure

A method for screening for agents capable of affecting the activity of kinases GSK3 and PKB is disclosed. The method involves assessing the phosphorylation of PKB on two amino acids on the PKB molecule particularly.--

#### In the Claims:

Amend claims 10 and 13 to read as follows (pursuant to 37 C.F.R. §1.121(c)(1)(ii), a marked-up copy of the amended claims on a separate sheet accompanies this amendment):

10. (Amended) A peptide having or including the amino acid sequence SEQ ID NO:58: Arg-Xaa-Arg-Yaa-Zaa-Ser/Thr-Hyd, where Xaa is any amino acid, Yaa and Zaa are any amino acid, and Hyd is a large hydrophobic residue, or a functional equivalent of such a peptide.

13. (Amended) A peptide as claimed in claim 10, having the amino acid sequence SEQ ID NO:1: GRPRTSSFAEG, or a functional equivalent thereof.